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NO.	DATE	BY	REVISIONS

BCB	6/12/2018
DESIGNED	DATE
BCB	6/12/2018
DRAFTED	DATE
PP	7/10/2018
CHECKED	DATE
CLE	7/12/2018
APPROVED	DATE





CITY OF MILWAUKIE

6101 SE JOHNSON CREEK BLVD.
MILWAUKIE, OR 97206

PHONE: 503-786-7600
FAX: 503-774-8236

SAFE - ARDENWALD CIVIL X2018-T42 CV - COVER			
PROJECT NO.:	CIP2018T42	CONTRACT NO.:	
DATE:	7/19/2018	SHEET NO.:	CV1

CITY OF MILWAUKIE, OREGON

ARDENWALD SAFE PROJECT

PHASE I

CIP2018-T42



CITY OF MILWAUKIE
ENGINEERING DEPARTMENT
6101 SE JOHNSON CREEK BLVD
MILWAUKIE, OR 97206
PHONE (503) 786-7600
FAX (503) 774-8236

PHASE I PROJECT DESCRIPTION
SIDEWALK CONSTRUCTION ON WEST SIDE OF SE 39TH AVENUE AND NORTH SIDE OF SE WAKE STREET. POROUS ASPHALT CONCRETE PAVING ON EXISTING RIGHT OF WAY PEDESTRIAN PATH CONNECTING SE WAKE STREET TO SE OLSEN STREET.

PROJECT MANAGER
NAME: JENNIFER GARBELY, P.E.
TITLE: ASSISTANT CITY ENGINEER
PHONE NUMBER: 503-786-7609
EMAIL ADDRESS: GARBELYJ@MILWAUKIEOREGON.GOV

ENGINEER
NAME: ELIZABETH BRITELL, P.E.
TITLE: CIVIL ENGINEER
PHONE NUMBER: 503-786-7602
EMAIL ADDRESS: BRITELLB@MILWAUKIEOREGON.GOV

MILWAUKIE INSPECTIONS
PHONE NUMBER: 1-888-299-2821
WEBSITE: BUILDINGPERMITS.OREGON.GOV

MILWAUKIE OPERATIONS
NAME: EMERGENCY ON-CALL
PHONE NUMBER: 503-348-8833

PORTLAND GENERAL ELECTRIC
CONTACT NAME: TOBY JONES
PHONE NUMBER (EMERGENCY): 503-464-7777
PHONE NUMBER (SERVICE): 503-736-5404
CELL NUMBER: 503-523-7131

NORTHWEST NATURAL
CONTACT NAME: NINA CARLSON
PHONE NUMBER: 503-226-4211

CENTURY LINK
CONTACT NAME: SCOTT MILLER
PHONE NUMBER: 503-242-4144
CELL NUMBER: 503-754-7289

COMCAST
CONTACT NAME: MATTHEW BRAVO
PHONE NUMBER: 503-813-0576
CELL NUMBER: 503-351-9311

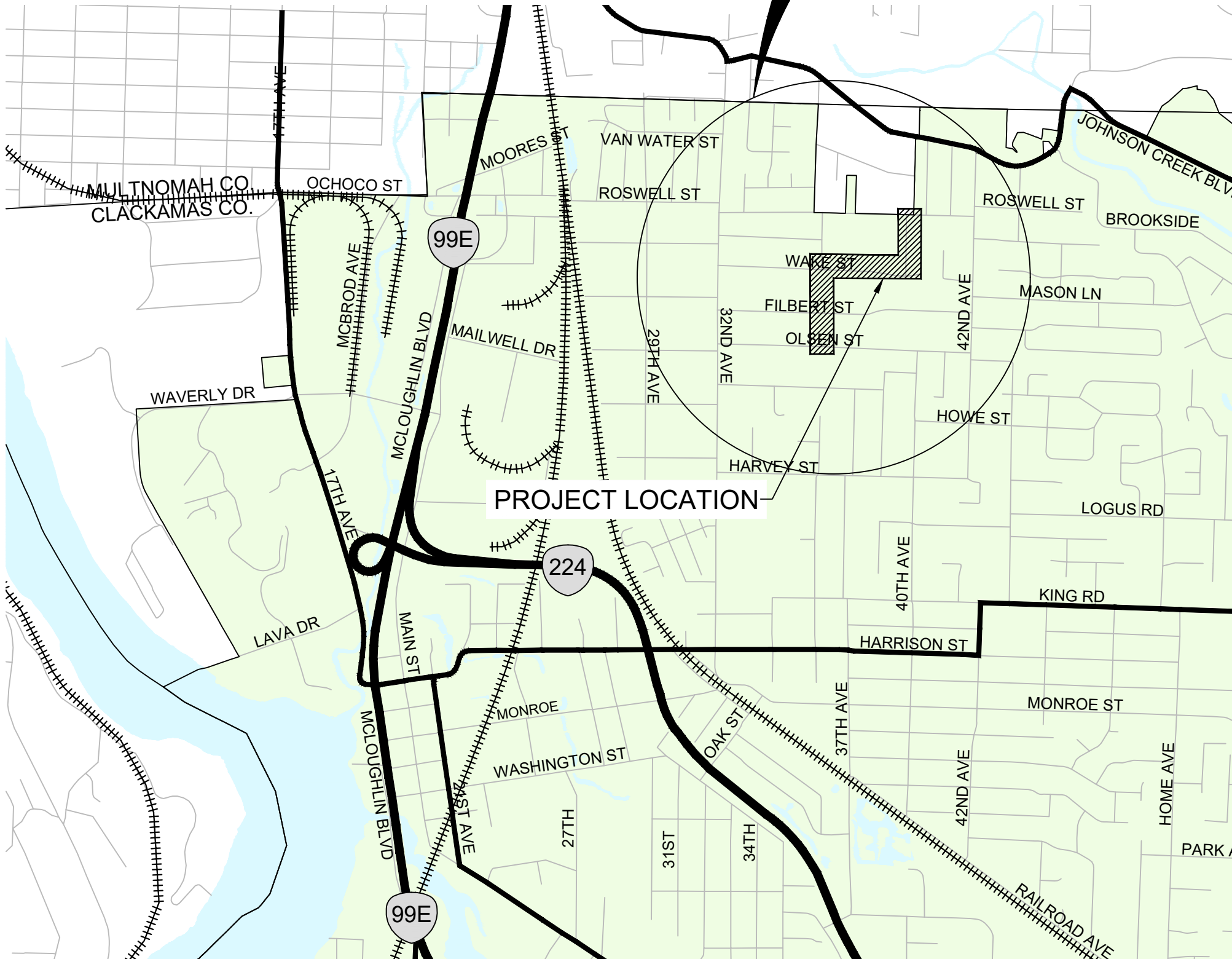
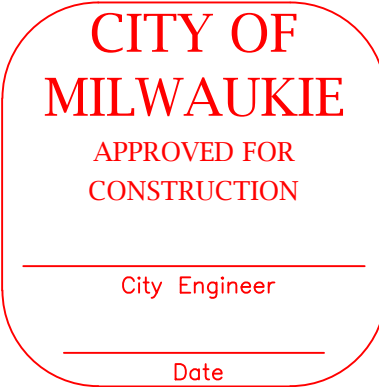
SHEET #	SHEET TITLE
CV1	COVER
CV2	CONSTRUCTION NOTES
SURVEY	SHEET 1 OF 3
SURVEY	SHEET 2 OF 3
SURVEY	SHEET 3 OF 3
TR1	TRAFFIC CONTROL
TR2	TRAFFIC CONTROL
ESC1	ESC COVER
ESC2	ESC NOTES
ESC3	ESC CONSTRUCTION PLAN
CP1	SE WAKE ST SIDEWALK PLAN
CP2	SE 39TH AVE SIDEWALK PLAN
CP3	PEDESTRIAN PATH PLAN
CP4	CORNER DETAIL
DT1	DETAILS
DT2	DETAILS
DT3	DETAILS
DT4	DETAILS
DT5	DETAILS
DT6	DETAILS

LEGEND

EXISTING	PROPOSED
	CONTOUR MAJOR
	CONTOUR MINOR
	PROPERTY LINE
	FENCE
	FENCE
	GAS
	SANITARY
	SANITARY MANHOLE
	WATER
	WATER METER
	OVERHEAD POWER
	POWER POLE
	STORM
	DRYWELL MANHOLE
	CATCH BASIN
	MAILBOX
	SIGN
	TREE
	CONCRETE
	ASPHALT
	SAWCUT

ABBREVIATIONS

ACP	ASPHALT CONCRETE PAVEMENT
ADA	AMERICANS WITH DISABILITIES ACT
APPX	APPROXIMATELY
BES	BUREAU OF ENVIRONMENTAL SERVICES
BMP	BEST MANAGEMENT PRACTICE
DEQ	OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
DTL	DETAIL
ESC	EROSION AND SEDIMENT CONTROL
F/C	FACE OF CURB
MIN	MINIMUM
NOM	NOMINAL
OSD	OREGON STANDARD DRAWING
OSSC	OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION
RD	OREGON STANDARD DRAWING ROADWAY SECTION
R/W	RIGHT-OF-WAY
SHT	SHEET
SW	STORMWATER
TM	OREGON STANDARD DRAWING TRAFFIC SECTION



PROJECT MAP
Scale: N.T.S.

Oregon law requires contractors to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through 952-001-0090. Contractors may obtain copies of the rules by calling the Oregon Utility Notification Center at 503-232-1987.



GENERAL REQUIREMENTS NOTES

1. THE LOCATION AND DESCRIPTION OF UTILITIES SHOWN ARE COMPILED FROM AVAILABLE RECORDS AND FIELD SURVEYS. THE CITY AND UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF SUCH RECORDS.
2. THE CONTRACTOR SHALL TAKE NO ADVANTAGE OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES IN THE PLANS. WHEN ERRORS, OMISSIONS, OR DISCREPANCIES ARE FOUND, PROJECT DESIGNER SHALL BE NOTIFIED. WORK PERFORMED BY THE CONTRACTOR AS A RESULT OF THE ERROR, OMISSION, OR DISCREPANCY IN THE PLANS SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE WHEN SUCH ERROR, OMISSION, OR DISCREPANCY HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE PROJECT DESIGNER.
3. THE CONTRACTOR SHALL HAVE AT ALL TIMES ON-SITE, THE APPROVED CONSTRUCTION PLANS & SPECIAL SPECIFICATIONS, CITY OF MILWAUKIE STANDARD SPECIFICATIONS & STANDARD PLANS, AND ALL OTHER APPLICABLE SPECIFICATIONS BOOKS AND MANUALS.
4. CONTRACTOR SHALL COMPLY WITH THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, IN ITS ENTIRETY.
5. THE CONTRACTOR SHALL REMOVE ALL MATERIALS EXCAVATED FROM WORK IN THE RIGHT-OF-WAY AND DISPOSE AT A PROPER LANDFILL.
6. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF MILWAUKIE ENGINEERING DEPARTMENT PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO SCHEDULE A PRE-CONSTRUCTION MEETING.
7. CONTRACTOR SHALL CALL CITY OF MILWAUKIE INSPECTION LINE 24-HOURS IN ADVANCE TO SCHEDULE INSPECTION FOR THE FOLLOWING WORK:
 - PUBLIC UTILITY EXCAVATION
 - STORM FACILITY STRUCTURES - INSTALLATION AND FORMS
 - STORM FACILITY BACKFILL
 - STORM FACILITY PLANTINGS
 - PUBLIC UTILITY INSTALLATION
 - PUBLIC UTILITY CONNECTIONS
 - STREET SUB-GRADE
 - STREET BASE AGGREGATE
 - STREET PAVEMENT INSTALLATION
 - CURB & SIDEWALK FORMS
 - FINAL INSPECTION
 - PUBLIC UTILITY TESTING
8. ANY LANDSCAPING/TREES DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN CONFORMANCE WITH THE CITY OF MILWAUKIE STANDARDS.
9. CONTRACTOR SHALL NOT USE THE PUBLIC RIGHT OF WAY FOR STORAGE OF EQUIPMENT, MATERIALS, CONSTRUCTION TRAILERS, AND CONSTRUCTION VEHICLES UNLESS OTHERWISE APPROVED.
10. IT IS THE OBLIGATION OF THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM PRIVATE PROPERTY OWNERS, FOR USE OF PRIVATE PROPERTY FOR CONSTRUCTION STAGING AND TO RESTORE PRIVATE PROPERTY TO A CONDITION SATISFACTORY TO PROPERTY OWNER UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A COPY OF ALL AGREEMENTS SIGNED WITH PRIVATE PROPERTY OWNERS.
11. PRIOR TO FINAL ACCEPTANCE AND FINAL PAYMENT, CONTRACTOR SHALL SUBMIT AN APPROVED SET OF "AS CONSTRUCTED" DRAWINGS TO THE CITY OF MILWAUKIE ENGINEERING DEPARTMENT SHOWING ANY CHANGES FROM THE ORIGINAL PLAN. THE CONTRACTOR SHALL KEEP A COMPLETE SET OF "AS BUILTS" ON SITE THAT MUST BE KEPT UP TO DATE AT ALL TIMES AND AVAILABLE FOR CITY INSPECTION.

12. CONTRACTOR SHALL INSTALL, UTILIZE, AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH THE EROSION PREVENTION & SEDIMENT CONTROL NOTES AND DETAILS.

UTILITY NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THESE REQUIREMENTS ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0100. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS AND NOT MORE THAN TEN BUSINESS DAYS PRIOR TO AN EXCAVATION.
2. UTILITY LOCATIONS SHALL BE VERIFIED BY OREGON UTILITIES NOTIFICATION CENTER IMMEDIATELY PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UTILITY LOCATE MARKINGS FOR THE DURATION OF THE PROJECT. AND SHALL BE RESPONSIBLE FOR LOCATING NEW UTILITIES PRIOR TO CITY ACCEPTANCE.
3. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. THE UTILITY OWNER SHALL BE NOTIFIED IN THE EVENT OF DAMAGE. REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
4. FOR ANY EXISTING UNDERGROUND UTILITY CONFLICTING WITH THE PROPOSED WORK DESCRIBED HEREIN, CONTRACTOR SHALL NOTIFY CITY STAFF OF THE CONFLICTS.
5. UTILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION AND COORDINATION PURPOSES ONLY AND ARE NOT AUTHORIZED FOR INSTALLATION UNDER THE PUBLIC STREET IMPROVEMENT PERMIT. UTILITY COMPANIES ARE REQUIRED TO SECURE SEPARATE UTILITY PERMITS FROM THE CITY FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
6. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. ABANDONED UTILITIES SHALL BE VERIFIED BY CITY STAFF PRIOR TO REMOVAL. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES WITH CONCRETE A MINIMUM OF 2 FEET INTO THE PIPE.
7. ALL UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO EXCAVATION TO ALLOW FOR GRADE ADJUSTMENTS DUE TO ALIGNMENT CONFLICTS. THE USE OF BENDS TO AVOID ALIGNMENT CONFLICTS WILL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
8. EXISTING UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES. WHEN SERVICE DISRUPTIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY AFFECTED BUSINESS OR RESIDENCE OF THE DATE AND DURATION OF THE DISRUPTION 24 HOURS IN ADVANCE OF THE DISRUPTION.
9. ALL UTILITY POINTS OF CONNECTION TO THE EXISTING SYSTEM SHALL BE POTHOLED PRIOR TO THE START OF NEW UTILITY INSTALLATION TO VERIFY ALIGNMENT, DEPTH, PIPE SIZE, AND PIPE MATERIAL. THE CONTRACTOR SHALL ARRANGE A PRE CONNECTION MEETING WITH THE CITY PRIOR TO THE START OF CONNECTION WORK.

STREET PAVEMENT NOTES

1. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES, MANHOLES AND WATER METERS TO FINISHED STREET, DRIVEWAY, OR SIDEWALK GRADE.
2. THE CONTRACTOR SHALL SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING PAVEMENT AND NEW PAVEMENT. SEAL ALL NEW PAVEMENT JOINTS WITH RUBBERIZED SEALANT.

3. ASPHALT CONCRETE SHALL BE COMPACTED TO OSSC STANDARDS.

PERMANENT SIGNAGE AND STRIPING NOTES

1. CONTRACTOR SHALL NOT REMOVE ANY STREET SIGNAGE WITHOUT PRIOR CITY APPROVAL.
2. CONTRACTOR SHALL REPLACE DAMAGED OR REMOVED PAVEMENT MARKINGS UPON COMPLETION OF FINAL PAVING.

CURB / SIDEWALK / DRIVEWAY NOTES

1. THE CONTRACTOR TO CONSTRUCT CURB, SIDEWALK, AND DRIVEWAYS IN ACCORDANCE WITH APPROVED OREGON STANDARD DRAWINGS.
2. CONTRACTOR TO PROTECT NEW CONCRETE FINISH. CONTRACTOR RESPONSIBLE FOR REMOVING, REPLACING, AND DISPOSING OF MATERIAL IF FINISH DOES NOT MEET ENGINEERING STANDARDS.

STORMWATER FACILITY NOTES

1. INSTALL TOPSOIL IN A MANNER THAT ENSURES ADEQUATE INFILTRATION. PLACE IN TWO EQUAL LIFTS. LIFTS SHOULD NOT BE COMPACTED, BUT RATHER PLACED IN A MANNER TO REDUCE EXCESSIVE EROSION OR SETTLEMENT. LIFTS MAY BE LIGHTLY WATERED TO ENCOURAGE NATURAL COMPACTION OR, IF NECESSARY, ROLLED WITH A WATER-FILLED LANDSCAPE ROLLER. SLIGHTLY OVERFILL THE FACILITY ABOVE PROPOSED FINISH GRADE TO ACCOMMODATE NATURAL LANDSCAPE.
2. FOLLOWING SWALE CONSTRUCTION, PLANTING SHALL OCCUR BETWEEN SEPTEMBER 1 AND NOVEMBER 1, OR BETWEEN FEBRUARY 1 AND APRIL 15. IF CONSTRUCTION IS COMPLETED DURING THESE TIME PERIODS, PLANTING SHALL OCCUR IMMEDIATELY. IF CONSTRUCTION IS COMPLETED OUTSIDE OF THESE TIME PERIODS, TOPSOIL SHALL BE COVERED ENTIRELY WITH NORTH AMERICAN CREEN C25BN EROSION CONTROL FABRIC, SECURED WITH 12" WOODEN ECOSTAKES (18" ON-CENTER). PLANTS SHALL BE INSTALLED THROUGH HOLES CUT IN THE EROSION CONTROL FABRIC AND FABRIC SHALL BE RESTAKED SECURELY FOR STABILIZATION AND SOIL COVERAGE FOLLOWING PLANTING.
3. FACILITY AND SURROUNDING SITE WILL BE STABILIZED TO PREVENT MEASURABLE SEDIMENT FROM ERODING ON THE SITE AND INTO ADJACENT AREAS.

				BCB DESIGNED	6/12/2018 DATE	  <div>CITY OF MILWAUKIE</div>	SAFE - ARDENWALD			
				BCB DRAFTED	6/12/2018 DATE		6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206	PHONE: 503-786-7600 FAX: 503-774-8236	X2018-T42 CV - CONSTRUCTION NOTES	
				PP CHECKED	7/10/2018 DATE					
				CLE APPROVED	7/12/2018 DATE					
NO.	DATE	BY	REVISIONS				PROJECT NO.:	CIP2018T42	CONTRACT NO.:	
							DATE:	7/19/2018	SHEET NO.:	CV2

VICINITY MAP

NOT TO SCALE



LEGEND

- = FOUND MONUMENT AS NOTED
- ⊕ = FIRE HYDRANT
- ⌵ = GUY ANCHOR
- ⌵ = GAS VALVE
- ⊠ = MAIL BOX
- ⊕ = PROJECT SCALE POINT
- ⊕ = STORM DRAIN MANHOLE
- ⊕ = SANITARY SEWER MANHOLE
- ⌵ = SIGN AS NOTED
- ⌵ = SWLS SURVEY CONTROL POINT
- ⌵ = UTILITY POLE
- ⊕ = WATER METER
- ⌵ = WATER VALVE
- ⌵ = CHAINLINK FENCE
- ⌵ = WOOD FENCE
- ⌵ = UNDERGROUND GAS LINE
- ⌵ = UNDERGROUND SEWER LINE
- ⌵ = UNDERGROUND WATER LINE
- ⌵ = MAJOR CONTOUR LINE
- ⌵ = MINOR CONTOUR LINE
- ⌵ = OVER-HEAD LINES
- EP = EDGE OF PAVEMENT
- FL = FLOW LINE OF CURB
- I.E. = INVERT ELEVATION
- TC = TOP OF CURB

TREES

TREES MEASURED AT BREAST HEIGHT(DBH)

⊕ = DECIDUOUS TREE

⊕ = EVERGREEN TREE

SURFACES

⊕ = ASPHALT SURFACE

⊕ = CONCRETE SURFACE

⊕ = GRAVEL SURFACE

NOTES

- 1) CONTOURS ARE AT 0.5' INTERVALS AND ARE COMPUTER GENERATED.
- 2) ALL MANHOLES WERE LOCATED AT CENTERLINE OF RIM.
- 3) UTILITIES SHOWN ON THE SURVEY HEREON WERE BASED UPON GROUND/VISUAL OBSERVATIONS OR AS MARKED ONLY. THERE MAY BE UTILITIES ON THE SITE THAT WERE NOT VISIBLE THEREFORE, THEY ARE NOT SHOWN. THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES MAY VARY.
- 4) DISTANCES IN THIS SURVEY ARE GROUND MEASURED
- 5) UTILITY LOCATES ARE PER TICKET NO. 18004827 AND 18004828
- 6) THIS IS NOT A BOUNDARY SURVEY. FOUND MONUMENTS HAVE NOT BEEN EVALUATED. LOCATION IS SHOWN IN MONUMENT TABLE.
- 7) PARCEL LINES AND DATA PER CLACKAMS COUNTY GIS

HORIZONTAL DATUM

NAD 83/2011 EPOCH 2010.0000 OREGON STATE PLANE
NORTH ZONE 3601 WITH UNITS INTERNATIONAL FEET
(DISTANCES SHOWN IN GROUND)

VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM OF 88
(NAVD88) (GEOID2012B)

SCALE FACTOR AND POSITION

AN AVERAGE POSITION FROM SURVEYED MEASUREMENTS WAS CALCULATED FOR THE TWO TOPOGRAPHIC SURVEY AREAS. POINT "AVERAGE" WAS HELD FOR THE GRID TO GROUND CONVERSION.

AVERAGE
N: 660248.213'
E: 7657028.725'
EL: 158.333'
N: 45°27'28.87382"
W: 122°37'28.29401"

COMBINED SCALE FACTOR: 1.0000968873 GRID TO GROUND
COMBINED SCALE FACTOR: 0.9999033220 GROUND TO GRID

MONUMENT TABLE

POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN
50	660253.59	7657463.85	1/2" IRON ROD	GARNER ACRES
51	660252.48	7657503.79	1/2" IRON ROD	GARNER ACRES
52	660189.65	7657462.06	1 1/2" IRON PIPE DOWN 1.3	GARNER ACRES
53	659834.43	7657417.26	5/8" IRON ROD BENT	MAPLECREST ADDITION
54	659838.38	7657377.72	5/8" IRON ROD	MAPLECREST ADDITION
55	659844.93	7657342.30	5/8" IRON ROD	MAPLECREST ADDITION
56	659807.97	7657277.72	5/8" IRON ROD	MAPLECREST ADDITION
57	660456.21	7656689.43	1/2" IRON PIPE	SN1462

SURVEY CONTROL TABLE

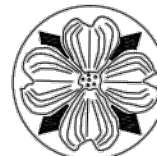
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	660453.48	7656658.78	157.08	PK NAIL
2	660433.51	7657499.12	165.16	MAG NAIL
3	659829.65	7657215.66	159.26	MAG NAIL
4	660078.39	7657465.64	158.64	NAIL SPIKE
5	659795.96	7657491.85	158.32	MAG NAIL

SCALE: 1" = 60'



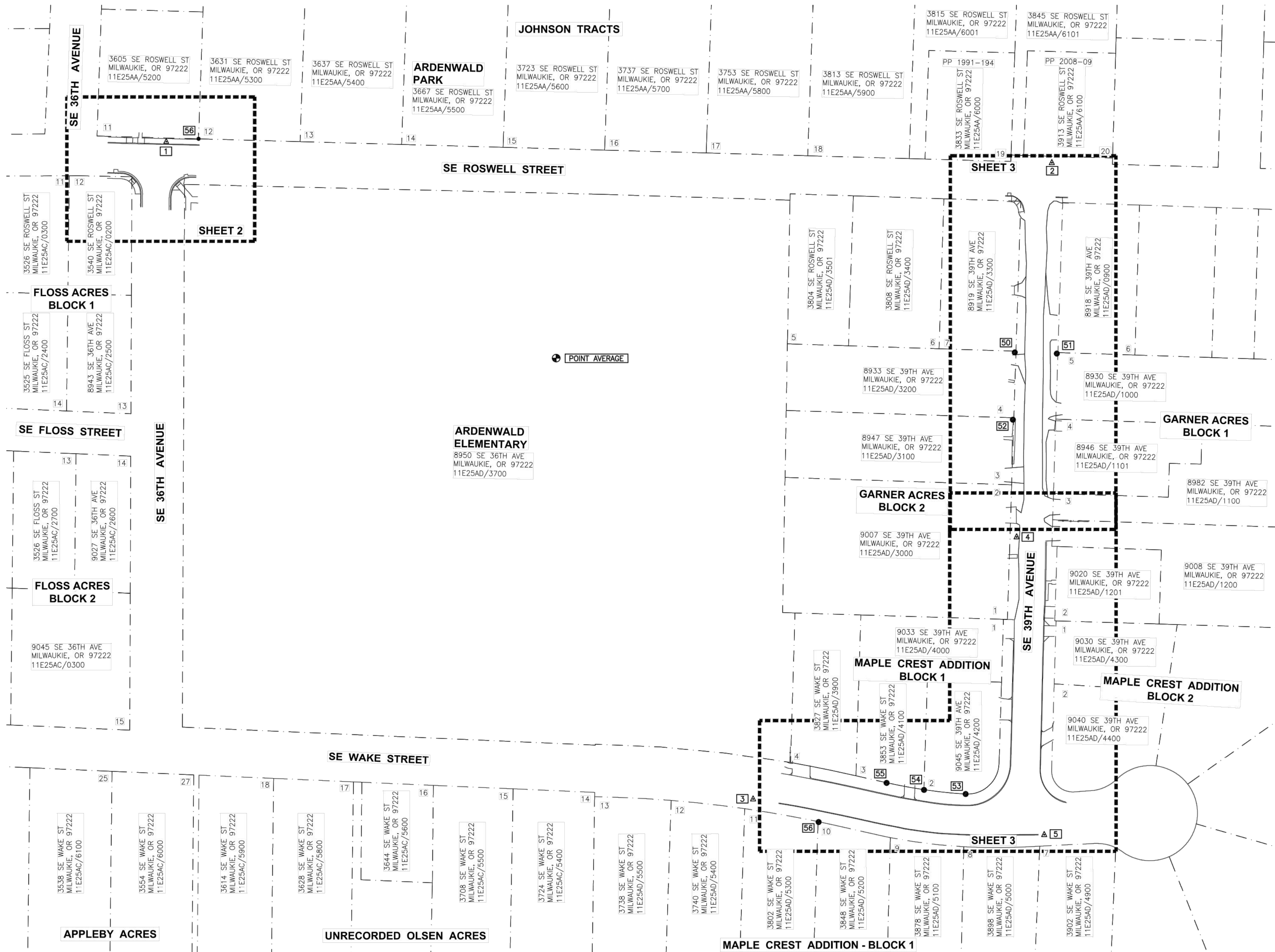
CONDITIONS SURVEY

FOR



CITY OF MILWAUKIE
OVER A PORTION OF SE ROSWELL STREET,
SE 36TH AVENUE, SE WAKE STREET, AND
SE 39TH AVENUE

SITUATED IN THE NORTHEAST QUARTER OF SECTION 25,
TOWNSHIP 1 SOUTH, RANGE 1 EAST OF THE WILLAMETTE MERIDIAN,
CITY OF MILWAUKIE, COUNTY OF CLACKAMAS, STATE OF OREGON.



SHEET INDEX

SHEET 1 = INDEX, MONUMENTS, AND SURVEY CONTROL

SHEET 2 = TOPOGRAPHY OF SE ROSWELL STREET AND SE 36TH AVENUE

SHEET 3 = TOPOGRAPHY OF SE 39TH AVENUE



SHEET 1 OF 3

STATEWIDE LAND SURVEYING INC.

43 NW AVA. AVE. GRESHAM, OR 97030
O: 503-665-7777 F: 503-665-7988
EMAIL: SURVEY@STATESIDESURVEYING.COM
WEB: WWW.STATESIDESURVEYING.COM



REVISION:

SCALE: 1"=60'

JOB NUMBER: 2018-003

DRAWN: K.D.C.

REVIEWED: G.D.S.

SHEET: 1/3

CLIENT: CITY OF MILWAUKIE

REVISION:

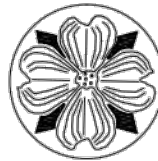
REVISION:

REVISION:

REVISION:

CONDITIONS SURVEY

FOR
CITY OF MILWAUKIE
OVER A PORTION OF SE ROSWELL STREET,
SE 36TH AVENUE, SE WAKE STREET, AND
SE 39TH AVENUE
SITUATED IN THE NORTHEAST QUARTER OF SECTION 25,
TOWNSHIP 1 SOUTH, RANGE 1 EAST OF THE WILLAMETTE MERIDIAN,
CITY OF MILWAUKIE, COUNTY OF CLACKAMAS, STATE OF OREGON.



SCALE: 1" = 10'



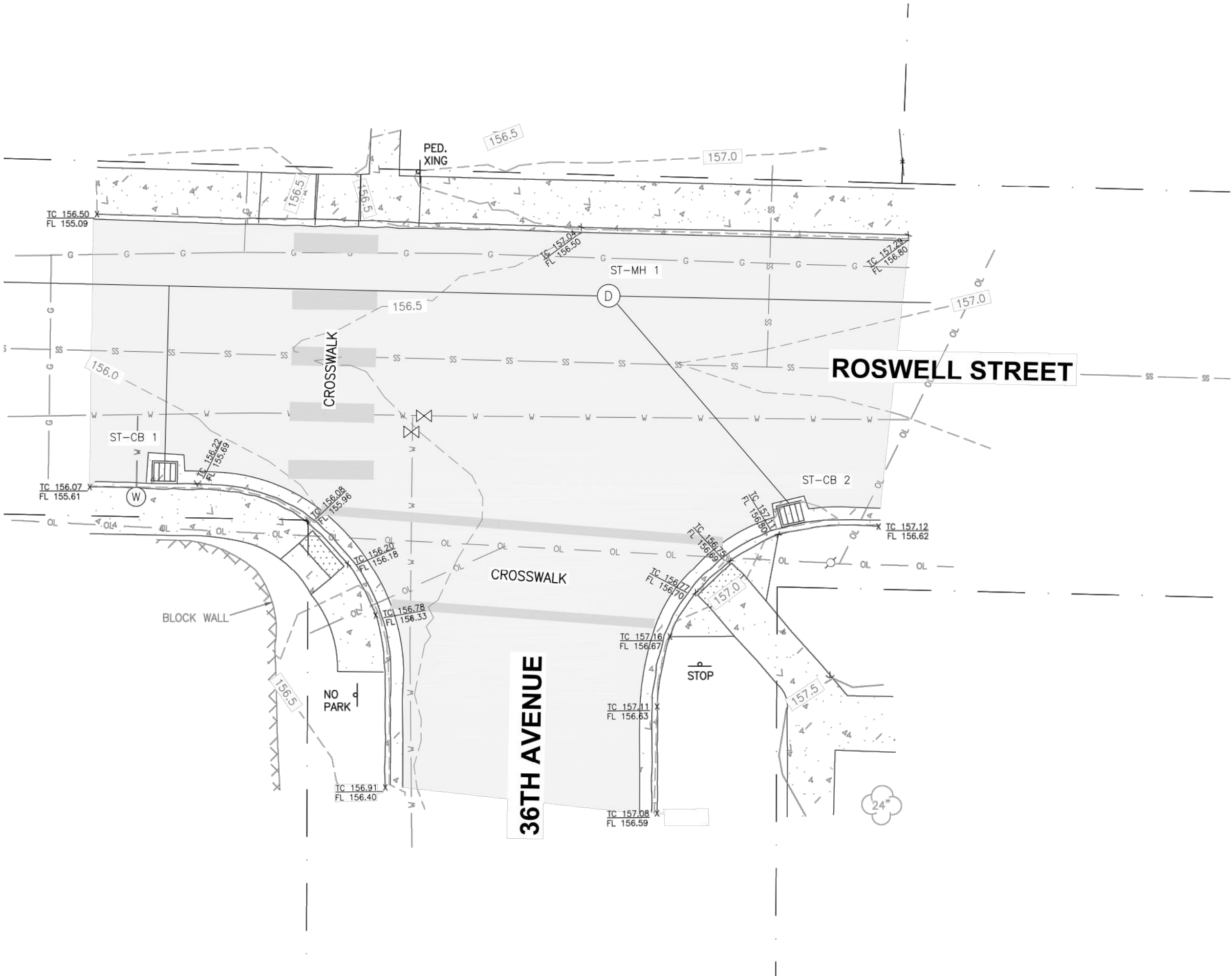
MANHOLES

ST-MH 1
RIM=156.66
12" IN(E) I.E.=147.91
10" IN(SE) I.E.=150.11
12" IN(SE) I.E.=148.81
12" OUT(W) I.E.=147.76

CATCH BASIN

ST-CB 1
RIM=155.60
8" OUT(N) I.E.=153.80

ST-CB 2
RIM=156.47
10" OUT(NW) I.E.=154.37



STATEWIDE LAND SURVEYING INC.

43 NW AVA AVE. GRESHAM, OR 97030
O: 503-665-7777 F: 503-665-7988
EMAIL: SURVEY@STATEWIDESURVEYING.COM
WEB: WWW.STATEWIDESURVEYING.COM

CLIENT: CITY OF MILWAUKIE

JOB NUMBER: 2018-003	SCALE: 1"=10'	REVISION:
DRAWN: K.D.C.	DRAWN DATE: 2/14/2018	REVISION:
REVIEWED: G.D.S.	REVIEW DATE: 2/15/2018	REVISION:
SHEET: 2/3	SURVEY DATE: 1/29/2018	REVISION:

REGISTERED
PROFESSIONAL
LAND SURVEYOR

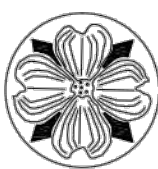
Gregory D. Spurlock

OREGON
JULY 29, 1988
GREGORY D. SPURLOCK
2370

EXPIRES: 06/30/18



CONDITIONS SURVEY



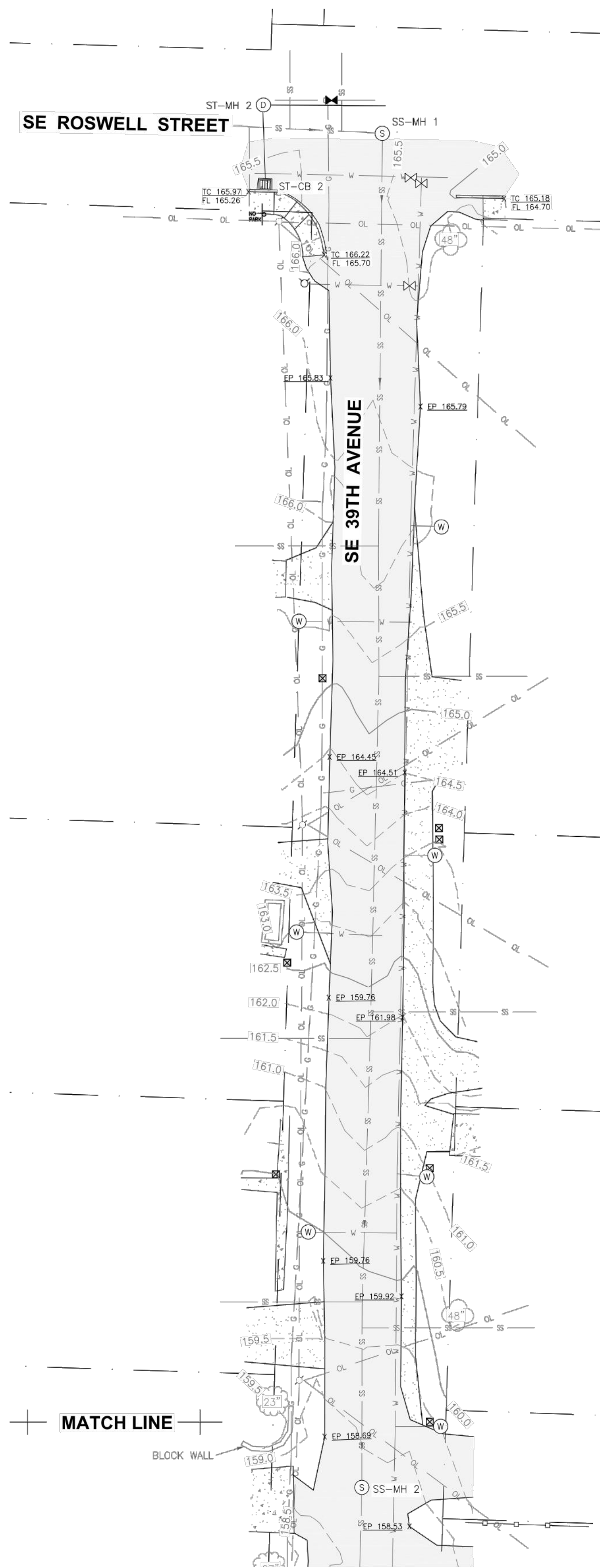
FOR

CITY OF MILWAUKIE

OVER A PORTION OF SE ROSWELL STREET,
SE 36TH AVENUE, SE WAKE STREET, AND
SE 39TH AVENUE

SITUATED IN THE NORTHEAST QUARTER OF SECTION 25,
TOWNSHIP 1 SOUTH, RANGE 1 EAST OF THE WILLAMETTE MERIDIAN,
CITY OF MILWAUKIE, COUNTY OF CLACKAMAS, STATE OF OREGON.

SCALE: 1" = 20'



MANHOLES

ST-MH 2
RIM=165.80
12" IN(S) I.E.=160.40
12" OUT(E) I.E.=160.35

ST-MH 3 (DRY-WELL)
RIM=158.73
NO INLET OBSERVED (BEWARE RATS)
BOTTOM I.E.=133.83

SS-MH 1
RIM=165.48
8" IN(W) I.E.=154.33
12" OUT(S) I.E.=154.33

SS-MH 2
RIM=158.66
8" IN(N) I.E.=149.86
8" OUT(S) I.E.=149.81

SS-MH 3
RIM=157.98
8" IN(N) I.E.=148.83
8" IN(E) I.E.=148.78
8" OUT(W) I.E.=148.68

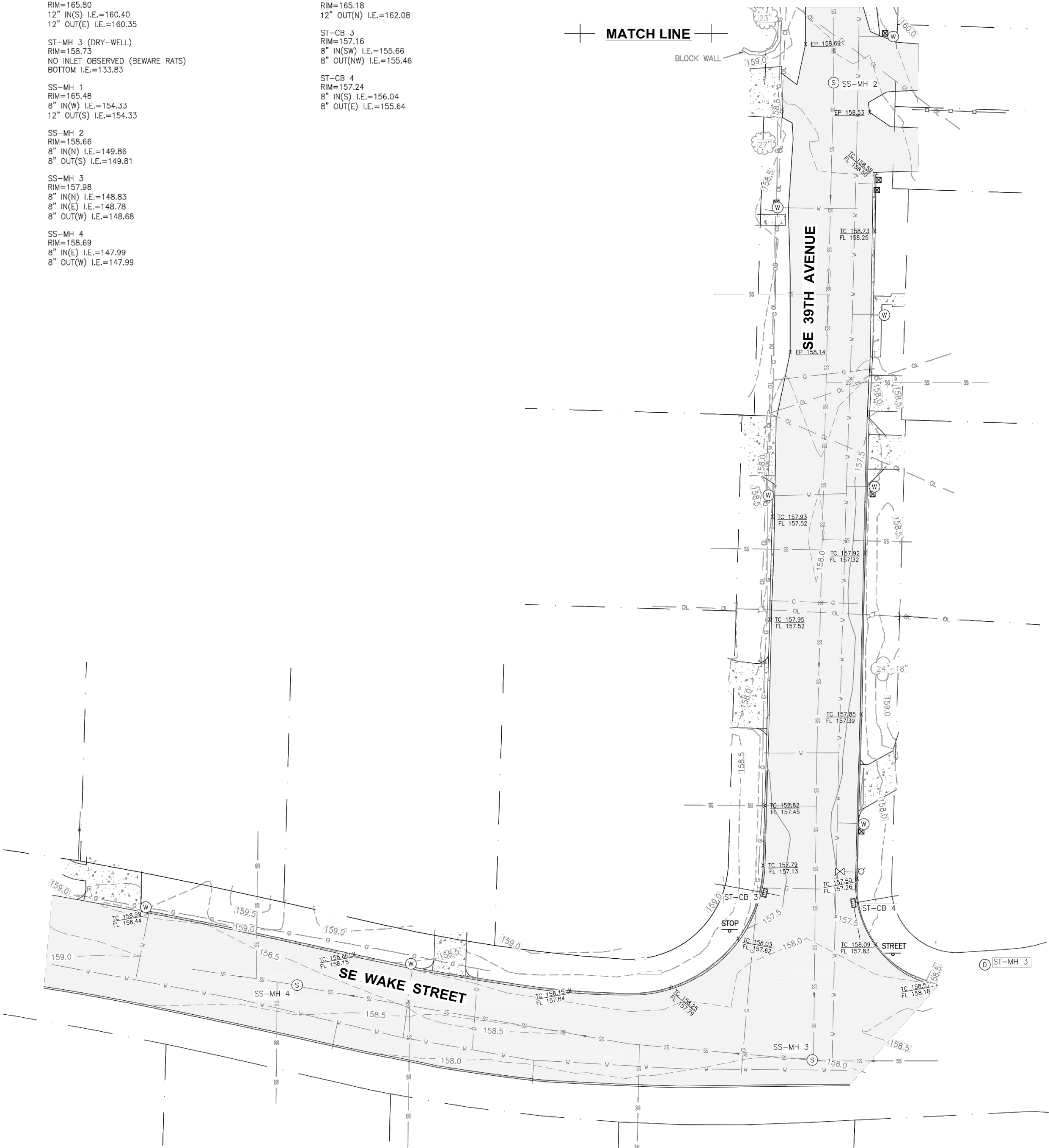
SS-MH 4
RIM=158.69
8" IN(E) I.E.=147.99
8" OUT(W) I.E.=147.99

CATCH BASIN

ST-CB 2
RIM=165.18
12" OUT(N) I.E.=162.08

ST-CB 3
RIM=157.16
8" IN(SW) I.E.=155.66
8" OUT(NW) I.E.=155.46

ST-CB 4
RIM=157.24
8" IN(S) I.E.=156.04
8" OUT(E) I.E.=155.64



STATEWIDE LAND SURVEYING INC.

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WEB: WWW.STATEWIDESURVEYING.COM

CLIENT: CITY OF MILWAUKIE

JOB NUMBER: 2018-003

SCALE: 1"=20'

REVISION:

DRAWN DATE: 2/14/2018

REVIEW DATE: 2/15/2018

SURVEY DATE: 1/29/2018

DRAWN: K.D.C.
REVIEWED: G.D.S.
SHEET: 3/3

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Gregory D. Spurlock

OREGON
JULY 29, 1988
GREGORY D. SPURLOCK
2370

EXPIRES: 06/30/18

SHEET 3 OF 3





SHEET NO.: TR1

ARDENWALD SAFE PROJECT
PHASE I
CIP2018-T42
EROSION AND SEDIMENT CONTROL PLANS

DEVELOPER:
CITY OF MILWAUKIE
6101 SE JOHNSON CREEK BLVD MILWAUKIE, OR 97206
PHONE: (503) 786-7600

PROPERTY LOCATION:
ADDRESS: CITY OF MILWAUKIE

LATITUDE: 45°27'28.87382"
LONGITUDE: 12°37'28.29401"

NARRATIVE DESCRIPTION:

EXISTING SITE CONDITIONS:
SE 39TH AVENUE AND SE WAKE STREET ARE PAVED STREETS WITHOUT SIDEWALK IMPROVEMENTS.

DEVELOPED CONDITIONS:
SIDEWALK CONSTRUCTION ON WEST SIDE OF SE 39TH AVENUE AND NORTH SIDE OF SE WAKE STREET. POROUS ASPHALT CONCRETE PAVING ON EXISTING RIGHT OF WAY PEDESTRIAN PATH CONNECTING SE WAKE STREET TO SE OLSEN STREET.

SITE SOIL CLASSIFICATION:
QUATAMA LOAM, 0 TO 3 PERCENT SLOPES
LATOURELL LOAM, 3 TO 8 PERCENT SLOPES

RECEIVING WATER BODIES:
NA - SUBSURFACE INFILTRATION

ENGINEERING:
CITY OF MILWAUKIE
6101 SE JOHNSON CREEK BLVD
PHONE: (503) 786-7600
CONTACT: ELIZABETH BRITELL, P.E.

SURVEY FIRM:
STATEWIDE LAND SURVEYING INC.
43 NW AVA AVE GRESHAM, OR 97030

PHONE: (503) 665-7777
CONTACT: GREGORY D. SPURLOCK
11E25AC

PROPERTY DESCRIPTION:

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE
*CLEARING SEPTEMBER 31, 2018
*GRADING SEPTEMBER 31, 2018
*UTILITY INSTALLATION NOVEMBER 30, 2018
*STREET CONSTRUCTION MAY 15, 2018
*FINAL STABILIZATION NOVEMBER 31, 2018

TOTAL SITE AREA: 13,252 SF = 0.30 ACRES

TOTAL DISTURBED AREA: 8,317 SF = 0.19 ACRES

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

	CLEARING	MASS GRADING	UTILITY INSTALLATION	STREET CONSTRUCTION	FINAL STABILIZATION	WET WEATHER (OCT 1-MAY 31)
EROSION PREVENTION						
PRESERVE NATURAL VEGETATION	X			X		X
GROUND COVER						
HYDRAULIC APPLICATIONS						
PLASTIC SHEETING						
MATting						
DUST CONTROL						
TEMPORARY/ PERMANENT SEEDING					X	X
BUFFER ZONE						
OTHER:						
SEDIMENT CONTROL						
SEDIMENT FENCE (PERIMETER)						
SEDIMENT FENCE (INTERIOR)						
STRAW WATTLES	X	X	X	X	X	X
FILTER BERM						
INLET PROTECTION	X	X	X	X	X	X
DEWATERING						
SEDIMENT TRAP						
OTHER:						
RUN OFF CONTROL						
CONSTRUCTION ENTRANCE						
PIPE SLOPE DRAIN						
OUTLET PROTECTION						
SURFACE ROUGHENING						
CHECK DAMS						
OTHER:						
POLLUTION PREVENTION						
PROPER SIGNAGE						
HAZ WASTE MGMT						
SPILL KIT ON-SITE						
CONCRETE WASHOUT AREA						
OTHER:						

** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL _BCB_

PERMITTEE'S SITE INSPECTOR:

CONTRACTOR TO PROVIDE:
COMPANY NAME:
PHONE:
FAX:
CONTACT NAME:
EMAIL:

DESCRIPTION OF EXPERIENCE: (LIST YEARS AND TYPE OF EXPERIENCE)

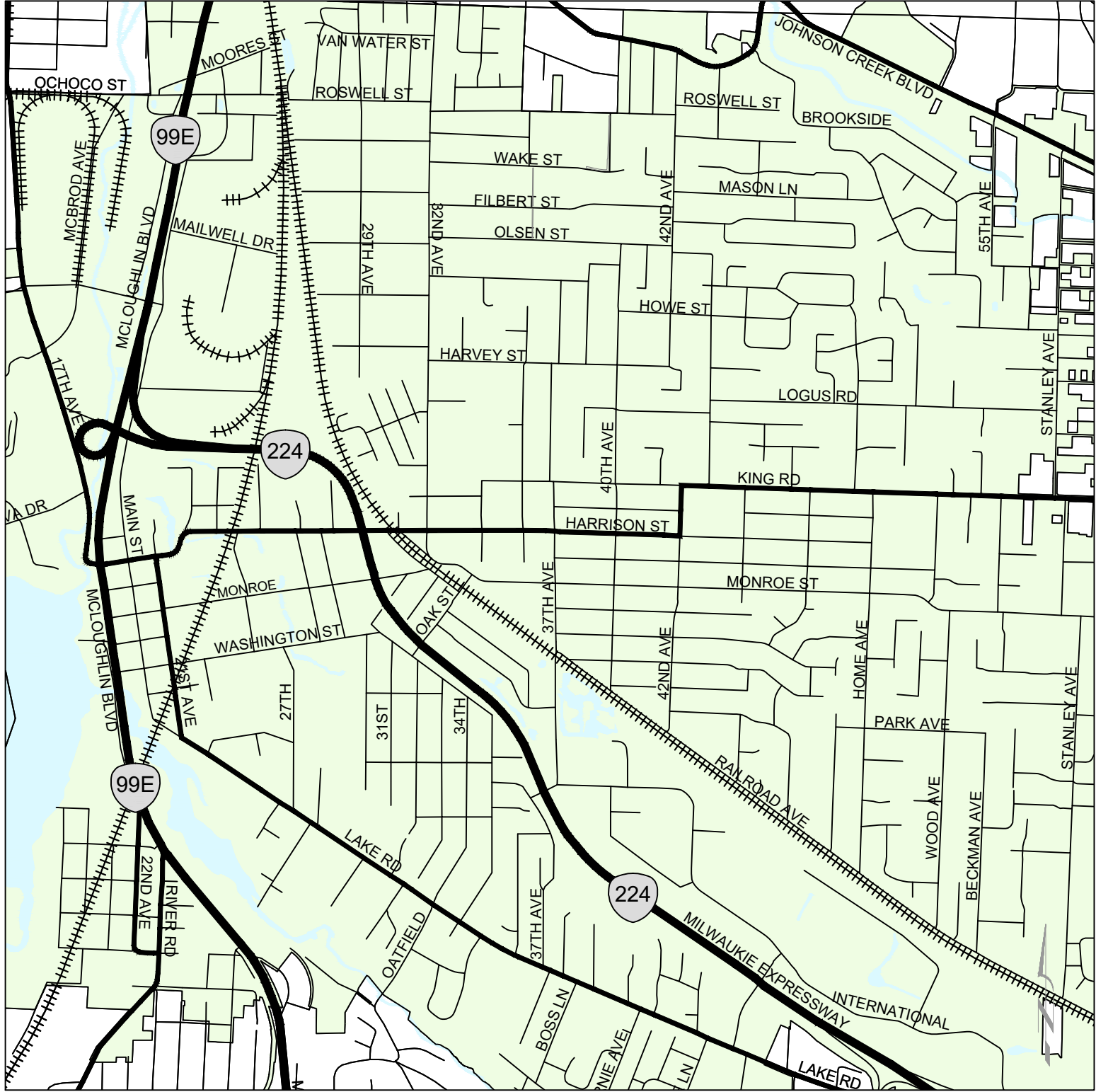
THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE DEQ 1200-CN PERMIT. THE ESC PLAN AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-CN PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-CN PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

ATTENTION EXCAVATORS

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.



SITE MAP
not to scale



VICINITY MAP
NTS

INSPECTION FREQUENCY

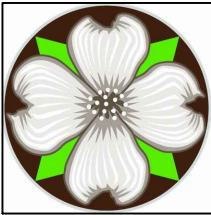
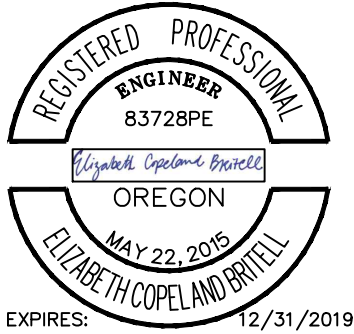
SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.

- * HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL, INCLUDING THE INSPECTOR, TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- * ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH 1200-CN PERMIT REQUIREMENTS.
- * INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH 1200-CN PERMIT REQUIREMENTS.
- * RETAIN A COPY OF THE ESC PLAN AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESC PLAN AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.
- * CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ IN THE FORM OF AN ACTION PLAN.

SHEET INDEX

SHEET NO.	DESCRIPTION
ESC1	EROSION AND SEDIMENT CONTROL COVER SHEET
ESC2	EROSION AND SEDIMENT CONTROL PLAN NOTES
NA	CLEARING AND DEMOLITION EROSION AND SEDIMENT CONTROL PLAN
ESC3	GRADING, STREET, AND UTILITY CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN
ESC4	GRADING, STREET, AND UTILITY CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN

BCB 6/12/2018
DESIGNED DATE
BCB 6/12/2018
DRAFTED DATE
PP 7/9/2018
CHECKED DATE
CLE 7/12/2018
APPROVED DATE



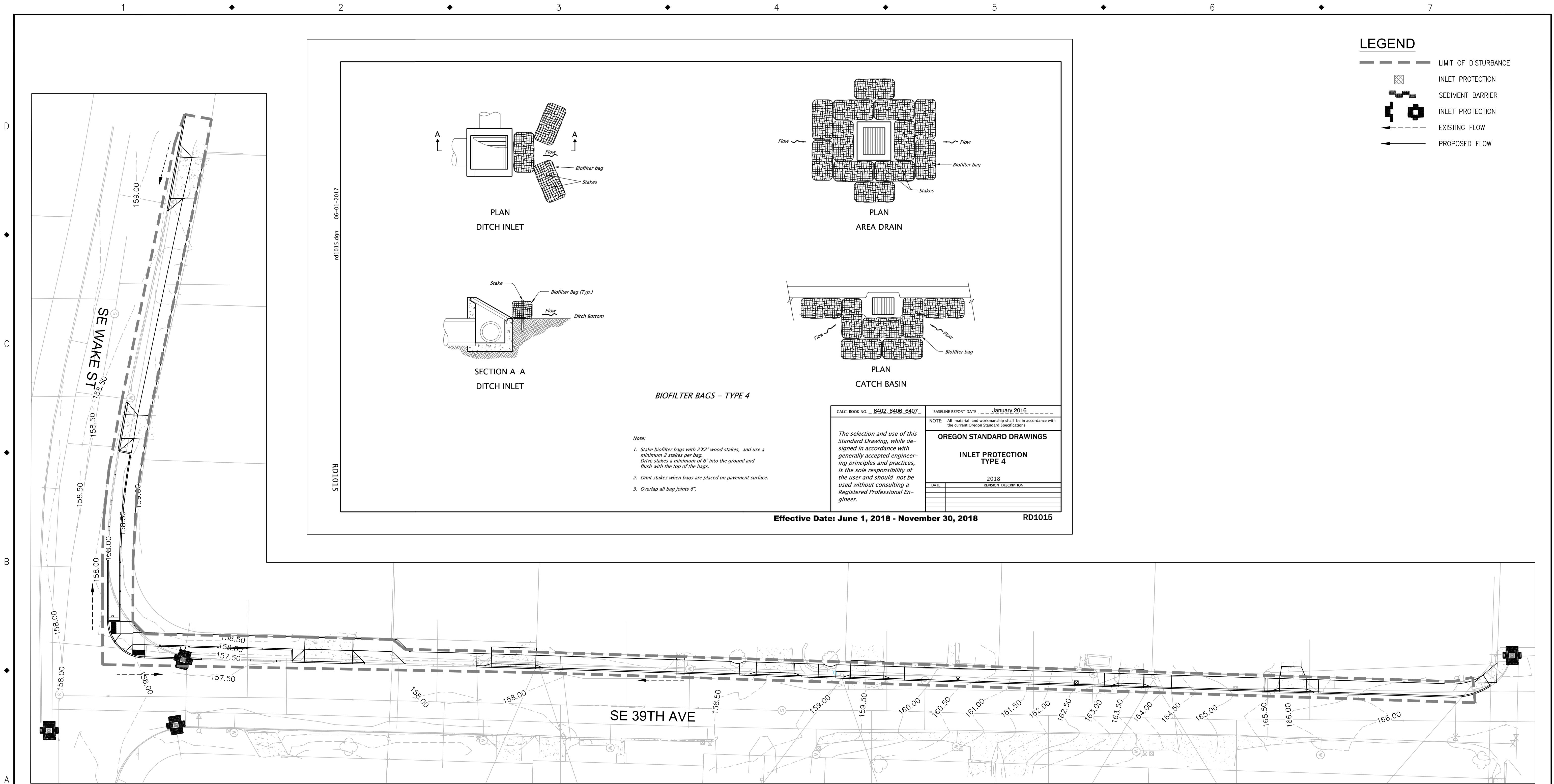
CITY OF MILWAUKIE

6101 SE JOHNSON CREEK BLVD.
MILWAUKIE, OR 97206

PHONE: 503-786-7600
FAX: 503-774-8236

SAFE - ARDENWALD
EROSION CONTROL
ESC COVER

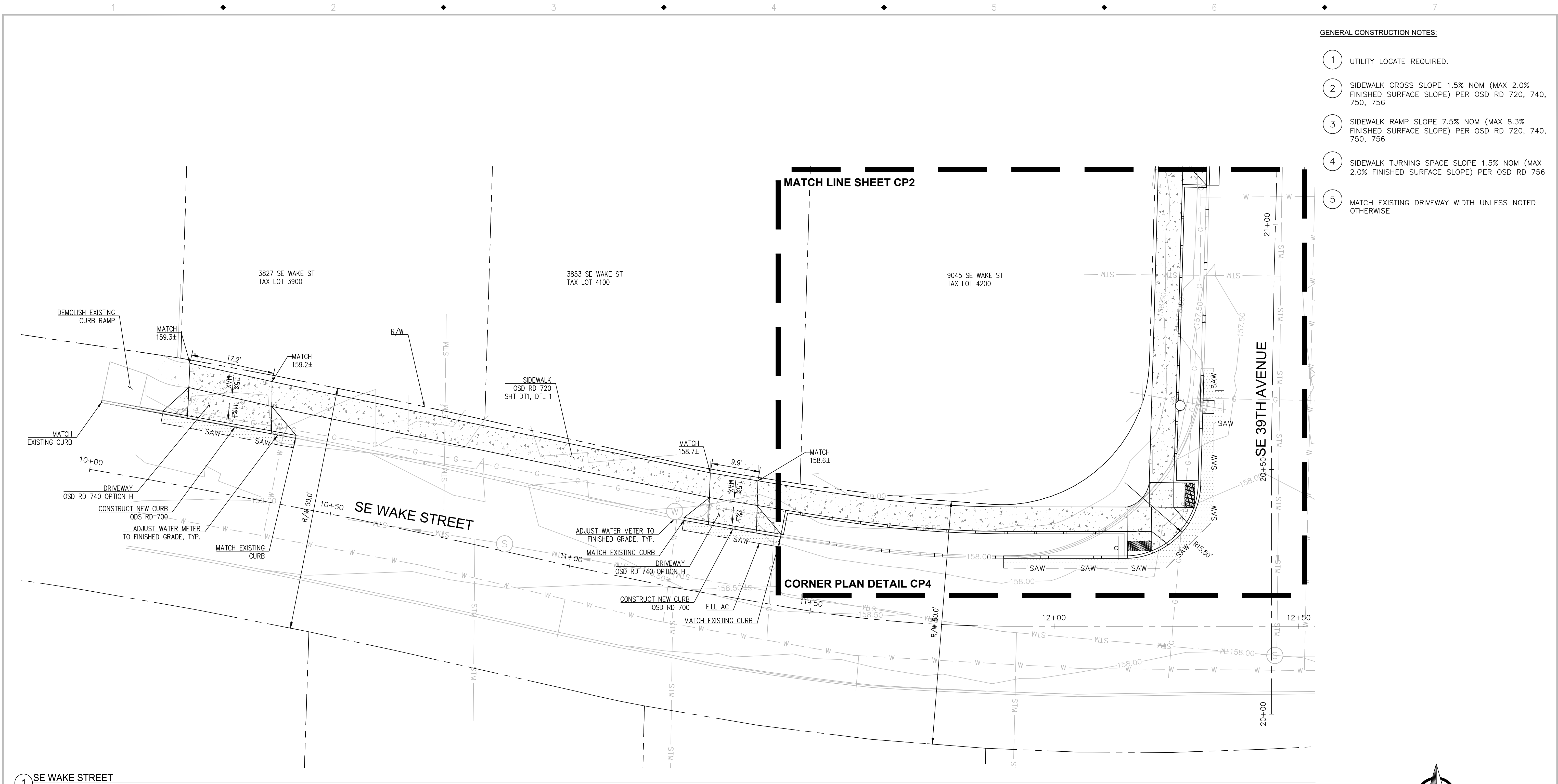
PROJECT NO.: CIP2018T42 CONTRACT NO.: DATE: 7/19/2018 SHEET NO.: ESC1



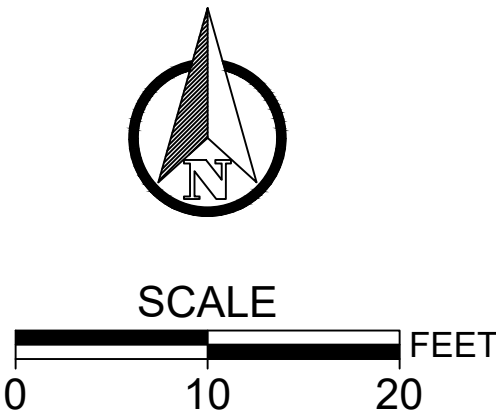
1 CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN SE 39TH AVENUE AND SE WAKE STREET

SCALE
0 20 40 FEET

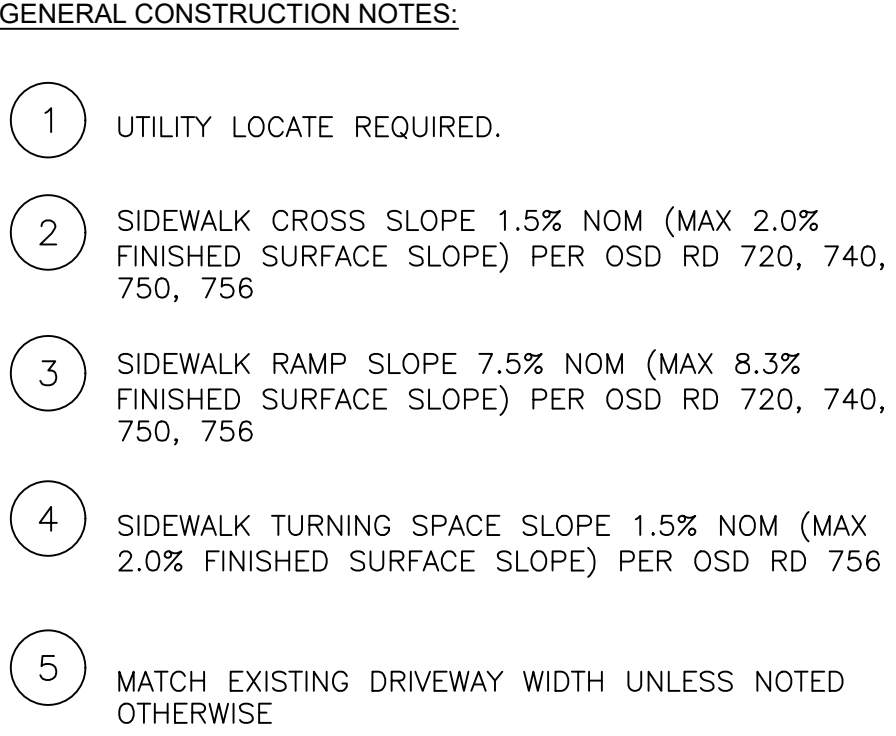
				BCB DESIGNED DATE 6/12/2018			SAFE - ARDENWALD					
				BCB DRAFTED DATE 6/12/2018			EROSION CONTROL					
				PP CHECKED DATE 7/9/2018			ESC CONSTRUCTION PLAN					
				CLE APPROVED DATE 7/12/2018								
NO.	DATE	BY	REVISIONS				6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206	PHONE: 503-786-7600 FAX: 503-774-8236	PROJECT NO.: CIP2018T42	CONTRACT NO.:	DATE: 7/19/2018	SHEET NO.: ESC3



- GENERAL CONSTRUCTION NOTES:
- 1 UTILITY LOCATE REQUIRED.
 - 2 SIDEWALK CROSS SLOPE 1.5% NOM (MAX 2.0% FINISHED SURFACE SLOPE) PER OSD RD 720, 740, 750, 756
 - 3 SIDEWALK RAMP SLOPE 7.5% NOM (MAX 8.3% FINISHED SURFACE SLOPE) PER OSD RD 720, 740, 750, 756
 - 4 SIDEWALK TURNING SPACE SLOPE 1.5% NOM (MAX 2.0% FINISHED SURFACE SLOPE) PER OSD RD 756
 - 5 MATCH EXISTING DRIVEWAY WIDTH UNLESS NOTED OTHERWISE



				BCB DESIGNED 6/12/2018 DATE			SAFE - ARDENWALD				
				BCB DRAFTED 6/12/2018 DATE			CIVIL				
				PP CHECKED 7/10/2018 DATE			SE WAKE ST SIDEWALK PLAN				
				CLE APPROVED 7/12/2018 DATE							
NO.	DATE	BY	REVISIONS				6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206	PHONE: 503-786-7600 FAX: 503-774-8236	PROJECT NO.: CIP2018T42	CONTRACT NO.:	DATE: 7/19/2018



CORNER PLAN DETAIL SHEET C

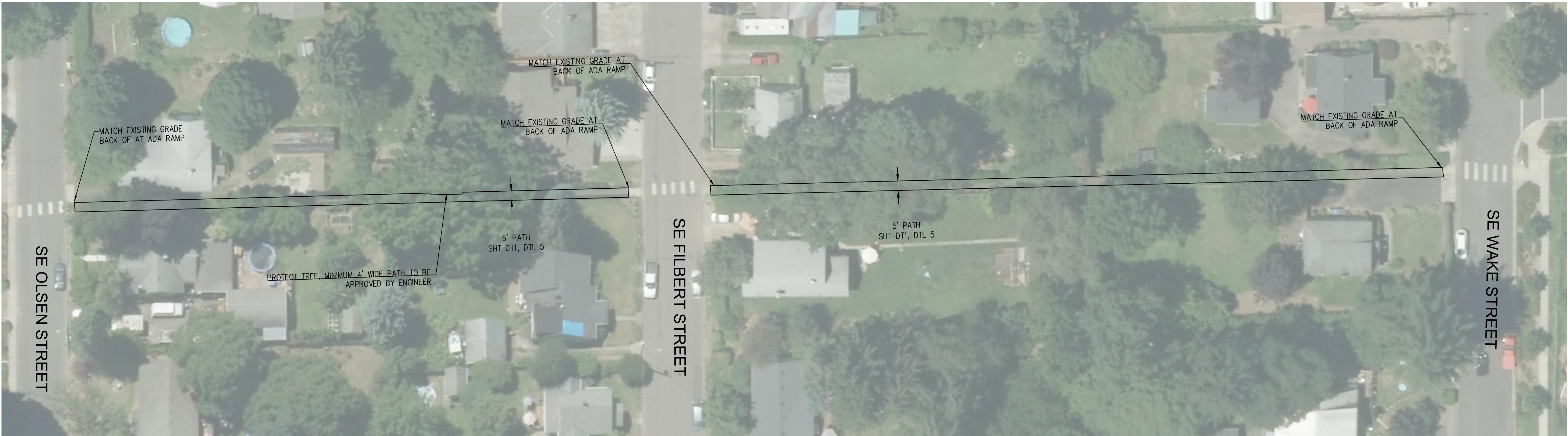
				BCB DESIGNED	6/12/2018 DATE	  <div>CITY OF MILWAUKIE</div>	SAFE - ARDENWALD				
				BCB DRAFTED	6/12/2018 DATE						
				PP CHECKED	7/10/2018 DATE						
				CLE APPROVED	7/12/2018 DATE						
NO.	DATE	BY	REVISIONS			6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206	PHONE: 503-786-7600 FAX: 503-774-8236	PROJECT NO.: CIP2018T42	CONTRACT NO.:	DATE: 7/19/2018	SHEET NO.: CP2

- GENERAL CONSTRUCTION NOTES:
- 1

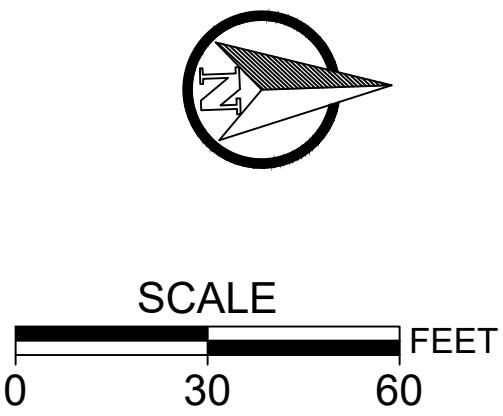
CONSTRUCTION OF PATH SHALL NOT RESULT IN CLOSURE OF THE PATH WHILE SCHOOL IS IN SESSION.
- 2

PRUNE TREES AND SHRUBS THAT ENCROACH INTO THE PATH PRIOR TO PAVING. REMOVE GROUNDCOVER AT EDGE OF PATH PRIOR TO PAVING.
- 3




CONSTRUCT PATH WITH 3" KBI FLEXI-PAVE HD2000 OR 3" 3/8 INCH POROUS ASPHALT CONCRETE






1 PEDESTRIAN PATH



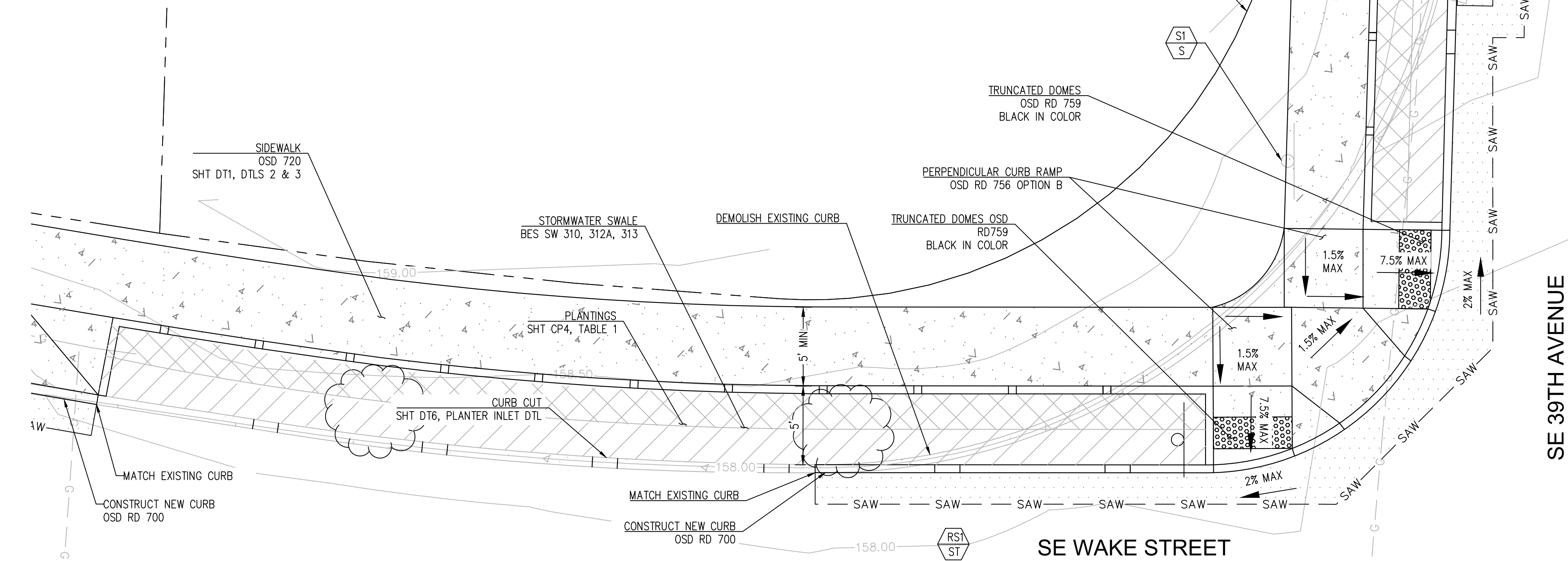
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SE WAKE ST PLANT LEGEND					SQ. FOOT AREA - 310 SF
SYMBOL	BOTANIC NAME	COMMON NAME	SIZE	SPACING	QTY.
	JUNCUS PATENS	SPREADING RUSH	1 GAL.	12"	179
	CAREX OBNUPTA	SLOUGH SEDGE	1 GAL.	12"	179
	RHAMNUS PURSHIANA	CASCARA	2" CALIPER	30'	2

1 STORMWATER PLANTER PLANTING TABLE - SE WAKE STREET

SE 39TH AVE PLANT LEGEND					SQ. FOOT AREA - 267 SF
SYMBOL	BOTANIC NAME	COMMON NAME	SIZE	SPACING	QTY. ZONE A
	JUNCUS PATENS	SPREADING RUSH	1 GAL.	12"	154
	CAREX OBNUPTA	SLOUGH SEDGE	1 GAL.	12"	155
	RHAMNUS PURSHIANA	CASCARA	2" CALIPER	30'	2

2 STORMWATER PLANTER PLANTING TABLE - SE 39TH AVENUE



2 CORNER DETAIL

GENERAL CONSTRUCTION NOTES:

1 UTILITY LOCATE REQUIRED.

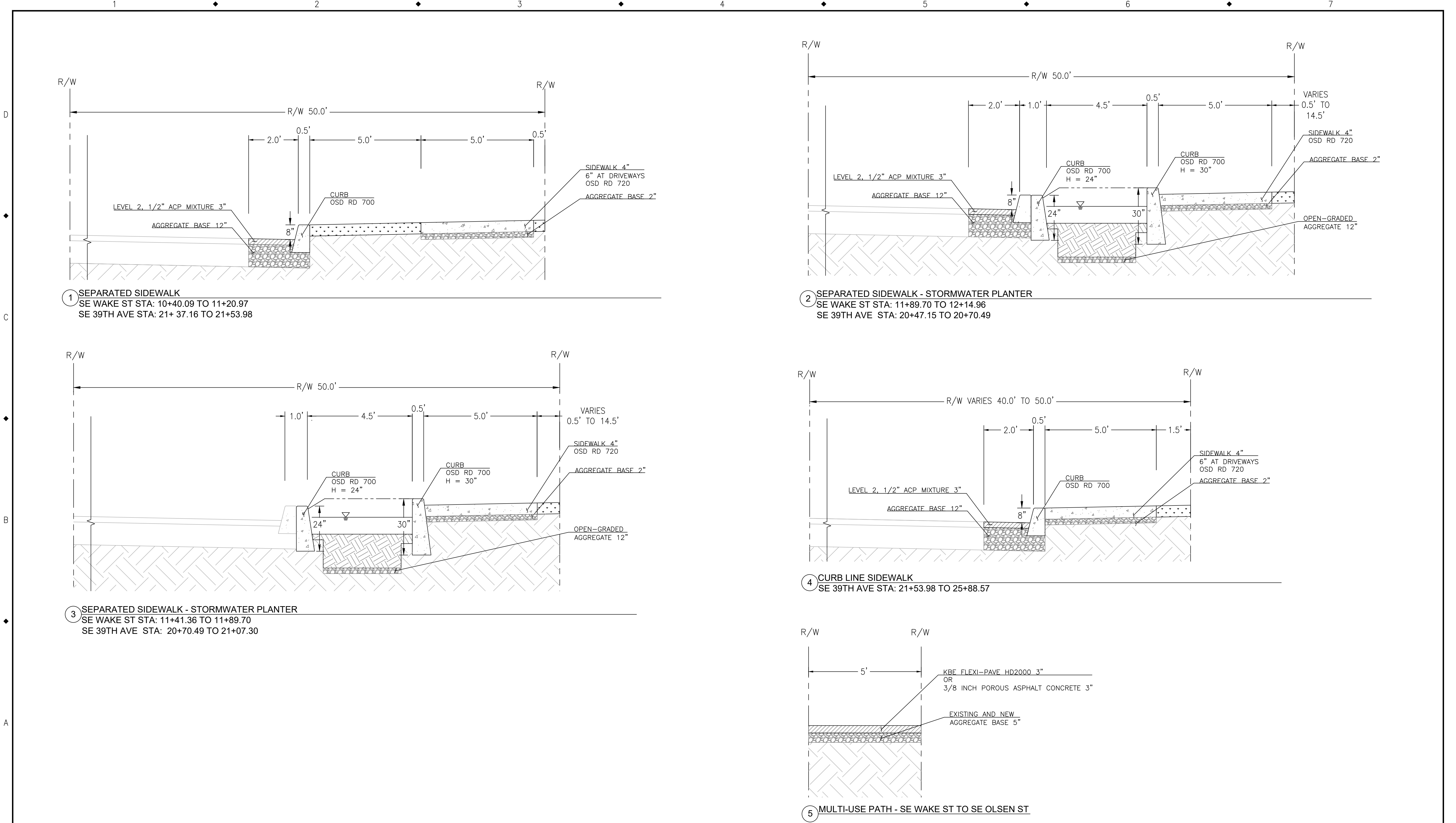
SIGN LEGEND

RELOCATE SCHOOL SPEED LIMIT SIGN OS5-5, OSD TIM 200, 681, 687

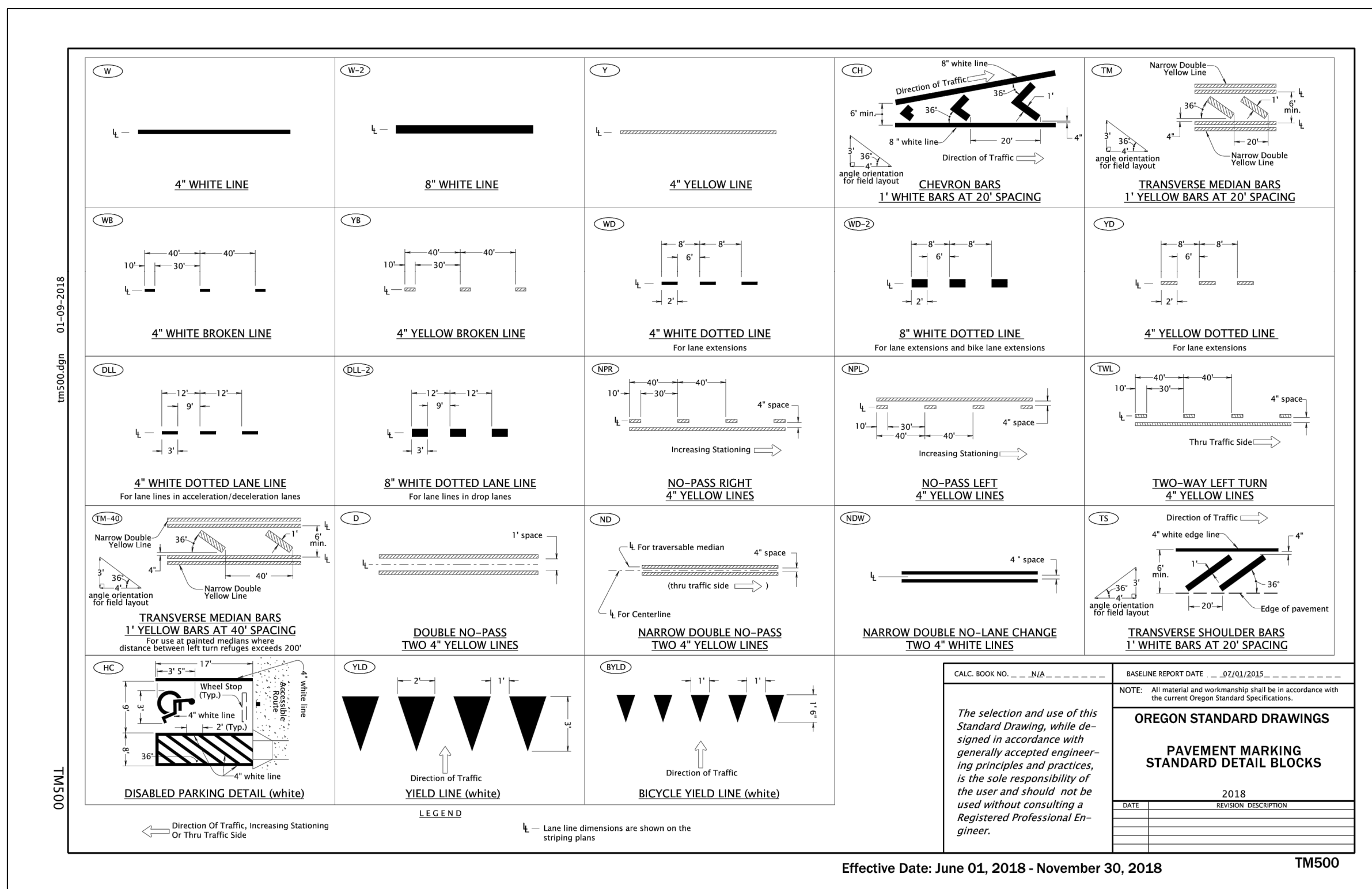
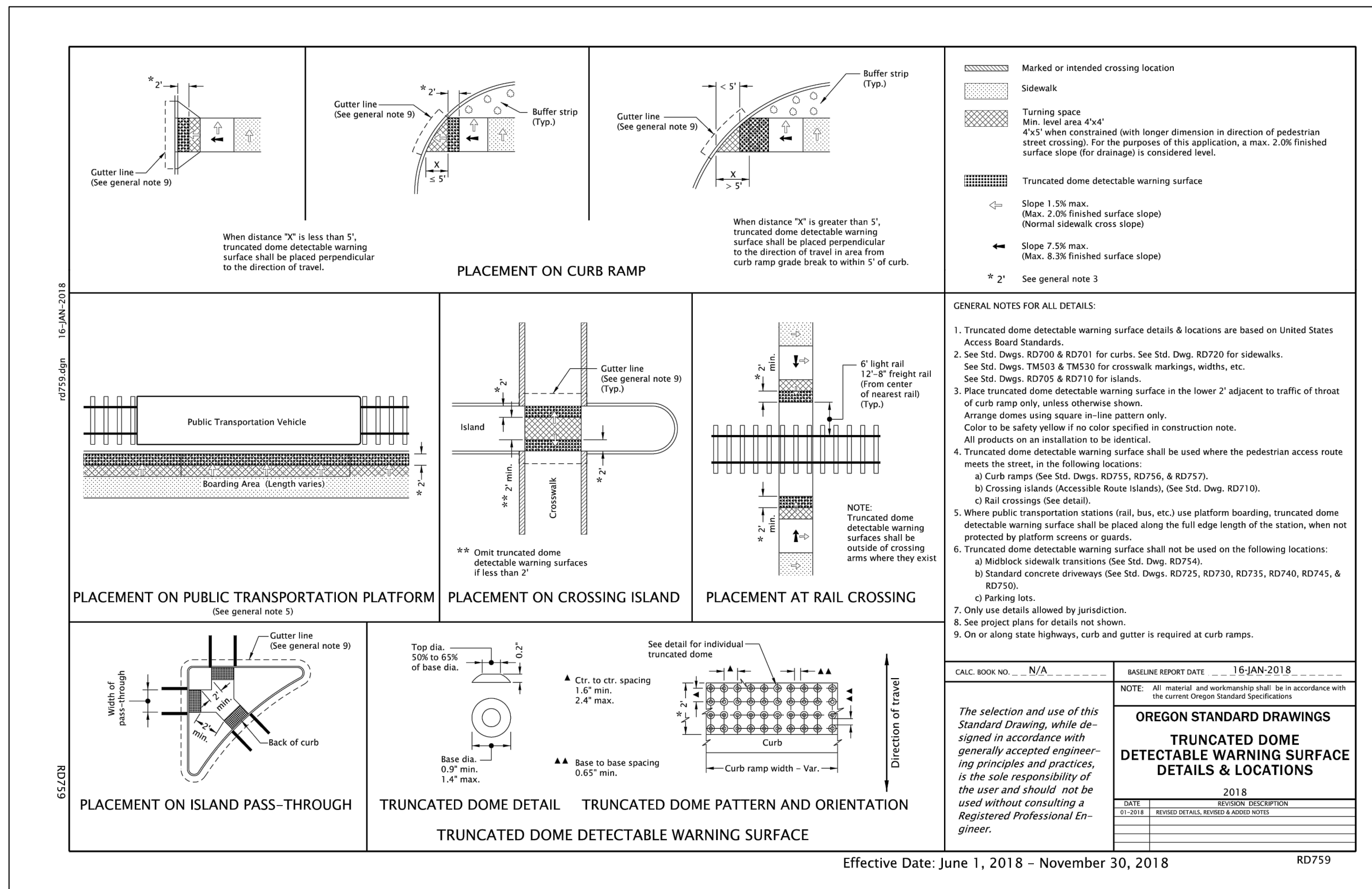
MATERIAL

S = STEEL PIPE

ST = STEEL TUBE



				BCB DESIGNED 6/12/2018 DATE		 CITY OF MILWAUKIE	6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206	PHONE: 503-786-7600 FAX: 503-774-8236	SAFE - ARDENWALD CIVIL SECTIONS			
				BCB DRAFTED 6/12/2018 DATE								
				PP CHECKED 7/10/2018 DATE								
				CLE APPROVED 7/12/2018 DATE								
NO.	DATE	BY	REVISIONS									



<div>SAFE - ARDENWALD</div> <div>CIVIL</div> <div>DETAILS</div>			
PROJECT NO.:	CIP2018T42	CONTRACT NO.:	
DATE:	7/19/2018	SHEET NO.:	DT4



No.	DATE	BY	REVISIONS

BCB	6/12/2018
DESIGNED	DATE
BCB	6/12/2018
DRAFTED	DATE
PP	7/10/2018
CHECKED	DATE
CLE	7/12/2018
APPROVED	DATE



CITY OF MILWAUKIE

6101 SE JOHNSON CREEK BLVD.
MILWAUKIE, OR 97206

PHONE: 503-786-7600
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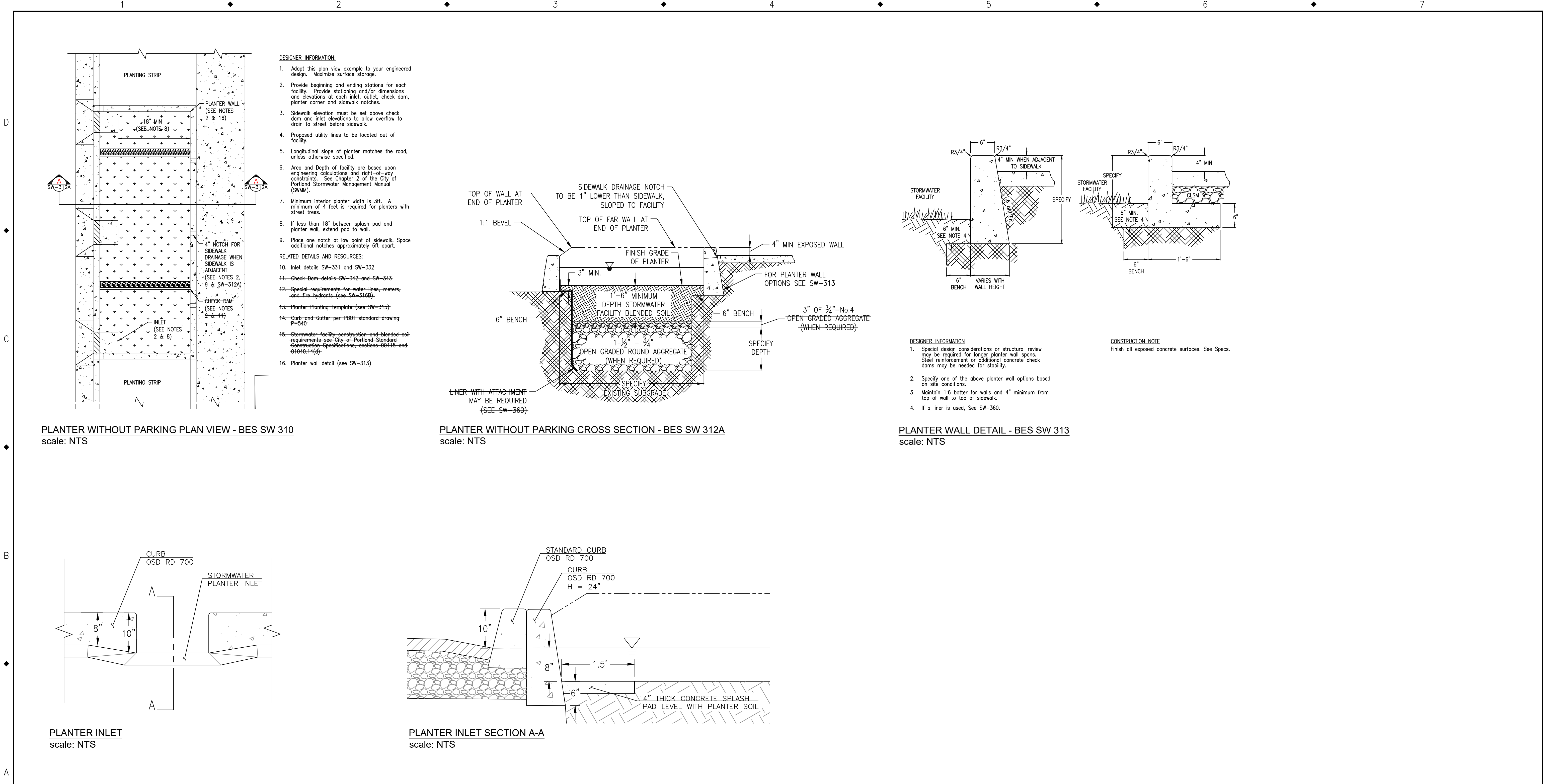
SAFE - ARDENWALD
CIVIL
DETAILS

PROJECT NO.: CIP2018T42

CONTRACT NO.:

DATE: 7/19/2018

SHEET NO.: DT5



				<div>BCB DESIGNED 6/12/2018 DATE</div> <div>BCB DRAFTED 6/12/2018 DATE</div> <div>PP CHECKED 7/10/2018 DATE</div> <div>CLE APPROVED 7/12/2018 DATE</div>		<div></div>	<div><div>CITY OF MILWAUKIE</div><div>6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206</div></div> <div><div>PHONE: 503-786-7600 FAX: 503-774-8236</div></div>	<div>SAFE - ARDENWALD CIVIL DETAILS</div>			
NO.	DATE	BY	REVISIONS					PROJECT NO.: CIP2018T42	CONTRACT NO.:	DATE: 7/19/2018	SHEET NO.: DT6